

Storm Data and Unusual Weather Phenomena - March 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
ROCK ISLAND COUNTY --- 1.0 W (MLI) QUAD CITY ARPT [41.45, -90.54], (MLI) QUAD CITY ARPT [41.45, -90.52], (MLI) QUAD CITY ARPT [41.45, -90.52], 1.0 N (MLI) QUAD CITY ARPT [41.46, -90.52]				
	03/02/08 17:30 CST	0		Flash Flood (due to Ice Jam)
	03/02/08 23:30 CST	0		Source: Law Enforcement
For the second time in about two weeks, a portion of Interstate 280 by mile marker 15 near Moline, Illinois had to be closed due to a flash flood. Water was flowing up to 3 feet deep over both the east and west bound lanes. The Illinois State Police closed the interstate and detoured traffic from the late afternoon on March 2 until the morning of March 3. The flooded roadway was the result of an ice jam downstream on nearby Mill Creek.				
An ice jam along with snowmelt occurred on Mill Creek near Moline, Illinois on March 2, 2008 causing a flash flood. The water covered a portion of Interstate 280 up to 3 feet deep with the road closed from late in the afternoon on March 2 until the morning of March 3.				
ROCK ISLAND COUNTY --- 2.0 W MILAN [41.45, -90.61], 2.0 E MILAN [41.45, -90.53], 2.0 ENE MILAN [41.46, -90.53], 2.0 N MILAN [41.48, -90.57]				
	03/06/08 00:50 CST	0		Flood (due to Ice Jam)
	03/06/08 15:00 CST	0		Source: Law Enforcement
Record flooding occurred on the Rock River near Moline and Milan Illinois on March 6, 2008. The river was already experiencing major flooding due to the combination of snow melt and heavy precipitation a few days earlier. The stage at the Moline river gage rose to a record crest of 16.38 feet at 830 am CST on March 6, 2008. The previous record was 16.15 feet on April 26, 1973. The main ice jam formed on the newly constructed Veterans Memorial Bridge, or the extension to the Milan Beltway. Nearly 100 homes were quickly evacuated, in some cases by boat because of the already high river levels.				
Record flooding occurred on the Rock River near Moline, Illinois on March 6, 2008. The river was already experiencing major flooding due to the combination of snow melt and heavy precipitation a few days earlier. About 100 homes were evacuated due to the record flooding.				
(IL-Z001) JO DAVIESS				
	03/27/08 06:45 CST	0		Winter Weather
	03/27/08 18:15 CST	0		
Low pressure tracked out of Colorado and into Missouri on March 27, 2008. A warm front lifted northward into the region separating colder air to the north and mild air to the south. This temperature contrast led to a variety of weather conditions. North of a Belle Plaine to Maquoketa to Freeport line 2 to 4 inches of snow fell. At Dubuque Iowa, a new record for seasonal snowfall was established. Along the Interstate 80 corridor, thundersnows were observed during the morning with isolated accumulations of around an inch mainly on grassy surfaces.				
IOWA, East Central and Southeast				
(IA-Z040) BUCHANAN, (IA-Z041) DELAWARE, (IA-Z051) BENTON, (IA-Z052) LINN, (IA-Z053) JONES				
	03/02/08 23:30 CST	0		Winter Weather
	03/03/08 05:15 CST	0		
Strong low pressure tracked from southeast Nebraska to northern Iowa and into Wisconsin on March 2-3, 2008. A strong cold front pushing across Iowa changed rain over to snow for several hours. Accumulations of 1 to 3 inches were reported northwest of a Belle Plaine to Dubuque line. In addition, gusty northwest winds behind the front howled at 30 to 40 mph, causing considerable blowing and drifting.				
(IA-Z040) BUCHANAN, (IA-Z041) DELAWARE, (IA-Z042) DUBUQUE, (IA-Z051) BENTON, (IA-Z052) LINN, (IA-Z053) JONES, (IA-Z054) JACKSON				
	03/27/08 06:15 CST	0		Winter Weather
	03/27/08 19:45 CST	0		
LOUISA COUNTY --- 3.0 E LETTS [41.33, -91.17]				
	03/27/08 07:55 CST	0		Hail (0.75 in)
	03/27/08 08:05 CST	0		Source: Trained Spotter

A trained spotter reported penny size hail fell for 10 minutes that covered the ground.

Low pressure tracked out of Colorado and into Missouri on March 27, 2008. A warm front lifted northward into the region separating colder air to the north and mild air to the south. This temperature contrast led to a variety of weather conditions. North of a Belle Plaine

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to Maquoketa to Freeport line 2 to 4 inches of snow fell. At Dubuque Iowa, a new record for seasonal snowfall was established. Along the Interstate 80 corridor, thundersnows were observed during the morning with isolated accumulations of around an inch mainly on grassy surfaces. South of I-80, several reports of pea size hail covering the ground up to a depth of one inch were received. One thunderstorm became severe and dropped penny size hail near Letts, Iowa in Louisa county.				

IOWA COUNTY --- 2.0 N MARENGO [41.83, -92.07]

03/31/08 16:59 CST	0	Hail (0.88 in)
03/31/08 16:59 CST	0	Source: Trained Spotter

A trained spotter reported nickel size hail 2 miles north of Marengo.

A strong upper level disturbance, combined with a warm front moving into the region, triggered thunderstorms on March 31, 2008 across portions of eastern Iowa. There were many reports of pea size hail west of a line from Williamsburg to Cedar Rapids to Manchester. However, one thunderstorm became severe and produced nickel size hail near Marengo Iowa.

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ILLINOIS, Northwest				
CARROLL COUNTY --- 1.0 N SAVANNA [42.09, -90.15], 1.0 E SAVANNA [42.08, -90.13], 1.0 S SAVANNA [42.07, -90.15], 1.0 W SAVANNA [42.08, -90.17]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
HANCOCK COUNTY --- 1.0 N WARSAW [40.36, -91.43], 1.0 E WARSAW [40.35, -91.41], 1.0 S WARSAW [40.34, -91.43], 1.0 W WARSAW [40.35, -91.45]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
HENDERSON COUNTY --- 1.0 N OQUAWKA [40.94, -90.95], 1.0 E OQUAWKA [40.93, -90.93], 1.0 S OQUAWKA [40.92, -90.95], 1.0 W OQUAWKA [40.93, -90.97]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
HENRY COUNTY --- 1.0 N COLONA [41.49, -90.35], 1.0 E COLONA [41.48, -90.33], 1.0 S COLONA [41.47, -90.35], 1.0 W COLONA [41.48, -90.37]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
JO DAVIESS COUNTY --- 1.0 N EAST DUBUQUE [42.49, -90.63], 1.0 E EAST DUBUQUE [42.48, -90.61], 1.0 S EAST DUBUQUE [42.47, -90.63], 1.0 W EAST DUBUQUE [42.48, -90.65]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
MERCER COUNTY --- 1.0 N NEW BOSTON [41.18, -91.00], 1.0 E NEW BOSTON [41.17, -90.98], 1.0 S NEW BOSTON [41.16, -91.00], 1.0 W NEW BOSTON [41.17, -91.02]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
ROCK ISLAND COUNTY --- 1.0 N MOLINE [41.51, -90.52], 1.0 E MOLINE [41.50, -90.50], 1.0 S MOLINE [41.49, -90.52], 1.0 W MOLINE [41.50, -90.54]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
STEPHENSON COUNTY --- 1.0 N FREEPORT [42.29, -89.62], 1.0 E FREEPORT [42.28, -89.60], 1.0 S FREEPORT [42.27, -89.62], 1.0 W FREEPORT [42.28, -89.64]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager
WHITESIDE COUNTY --- 1.0 N FULTON [41.88, -90.17], 1.0 E FULTON [41.87, -90.15], 1.0 S FULTON [41.86, -90.17], 1.0 W FULTON [41.87, -90.19]				
	04/01/08 00:00 CST	0		Flood (due to Heavy Rain)
	04/30/08 23:59 CST	0		Source: Emergency Manager

Major to near record flooding occurred during the month of April 2008. Flooding continued at some locations from events that began in March, and also continued into May. This particular flood event for most of the region was the worst since 1997. Although the Flood of 2001 saw higher crests on the Mississippi River, that flood affected primarily the Mississippi River itself and only a few of its tributaries. This year's flood event affected the Mississippi River as well as many of its tributaries.

A series of moderate to record high rainfall events continued the flooding at many locations that set flooding in motion at other locations. The most notable heavy rainfall event occurred from April 24-25 when 5 or more inches of rain fell from north central Iowa into southern Wisconsin. The Iowa, Cedar, Wapsipinicon and Maquoketa River basins received the heaviest rainfall. With soil moisture at or above the 95th percentile for that time of year, much of the rainfall became runoff and quickly ran into streams and creeks. The initial result was flash flooding especially across northeast Iowa. The event then transitioned to a river flood event, with major to near record crests experienced on the Cedar, Wapsipinicon and Maquoketa Rivers. The Mississippi River also experienced major flooding. All forecast points on the Mississippi River from Dubuque to Keokuk topped flood stage.

As of April 30th many forecast points continued seeing stages above flood stage. Affected rivers included the Mississippi, Cedar, Iowa, Wapsipinicon and the Maquoketa.

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IOWA, East Central and Southeast				
BENTON COUNTY --- 1.0 N VINTON [42.18, -92.03], 1.0 E VINTON [42.17, -92.01], 1.0 S VINTON [42.16, -92.03], 1.0 W VINTON [42.17, -92.05]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
BUCHANAN COUNTY --- 1.0 N INDEPENDENCE [42.48, -91.88], 1.0 E INDEPENDENCE [42.47, -91.86], 1.0 S INDEPENDENCE [42.46, -91.88], 1.0 W INDEPENDENCE [42.47, -91.90]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
CEDAR COUNTY --- 1.0 N ROCHESTER [41.68, -91.17], 1.0 E ROCHESTER [41.67, -91.15], 1.0 S ROCHESTER [41.66, -91.17], 1.0 W ROCHESTER [41.67, -91.19]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
CLINTON COUNTY --- 1.0 N DEWITT [41.83, -90.55], 1.0 E DEWITT [41.82, -90.53], 1.0 S DEWITT [41.81, -90.55], 1.0 W DEWITT [41.82, -90.57]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
DELAWARE COUNTY --- 1.0 N MANCHESTER [42.49, -91.45], 1.0 E MANCHESTER [42.48, -91.43], 1.0 S MANCHESTER [42.47, -91.45], 1.0 W MANCHESTER [42.48, -91.47]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
DES MOINES COUNTY --- 1.0 N BURLINGTON [40.83, -91.08], 1.0 E BURLINGTON [40.82, -91.06], 1.0 S BURLINGTON [40.81, -91.08], 1.0 W BURLINGTON [40.82, -91.10]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
DUBUQUE COUNTY --- 1.0 N DUBUQUE [42.51, -90.67], 1.0 E DUBUQUE [42.50, -90.65], 1.0 S DUBUQUE [42.49, -90.67], 1.0 W DUBUQUE [42.50, -90.65]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
IOWA COUNTY --- 1.0 N AMANA [41.81, -91.88], 1.0 E AMANA [41.80, -91.86], 1.0 S AMANA [41.79, -91.88], 1.0 W AMANA [41.80, -91.90]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
JACKSON COUNTY --- 1.0 N MAQUOKETA [42.08, -90.68], 1.0 E MAQUOKETA [42.07, -90.66], 1.0 S MAQUOKETA [42.06, -90.68], 1.0 W MAQUOKETA [42.07, -90.70]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
JOHNSON COUNTY --- 1.0 N IOWA CITY [41.68, -91.55], 1.0 E IOWA CITY [41.67, -91.53], 1.0 S IOWA CITY [41.66, -91.55], 1.0 W IOWA CITY [41.67, -91.57]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
JONES COUNTY --- 1.0 N ANAMOSA [42.13, -91.28], 1.0 E ANAMOSA [42.12, -91.26], 1.0 S ANAMOSA [42.11, -91.28], 1.0 W ANAMOSA [42.12, -91.30]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
LEE COUNTY --- 1.0 N KEOKUK [40.41, -91.38], 1.0 E KEOKUK [40.40, -91.36], 1.0 S KEOKUK [40.39, -91.38], 1.0 W KEOKUK [40.40, -91.40]				

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LINN COUNTY --- 1.0 N CEDAR RAPIDS [42.01, -91.65], 1.0 E CEDAR RAPIDS [42.00, -91.63], 1.0 S CEDAR RAPIDS [41.99, -91.65], 1.0 W CEDAR RAPIDS [42.00, -91.67]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
LOUISA COUNTY --- 1.0 N COLUMBUS JCT [41.28, -91.35], 1.0 E COLUMBUS JCT [41.27, -91.33], 1.0 S COLUMBUS JCT [41.26, -91.35], 1.0 W COLUMBUS JCT [41.27, -91.37]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
MUSCATINE COUNTY --- 1.0 N MUSCATINE [41.43, -91.05], 1.0 E MUSCATINE [41.42, -91.03], 1.0 S MUSCATINE [41.41, -91.05], 1.0 W MUSCATINE [41.42, -91.07]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager
SCOTT COUNTY --- 1.0 N DAVENPORT [41.54, -90.58], 1.0 E DAVENPORT [41.53, -90.56], 1.0 S DAVENPORT [41.52, -90.58], 1.0 W DAVENPORT [41.53, -90.60]				
	04/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	04/30/08 23:59 CST		0	Source: Emergency Manager

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A series of moderate to record high rainfall events continued the flooding at many locations that set flooding in motion at other locations. The most notable heavy rainfall event occurred from April 24-25 when 5 or more inches of rain fell from north central Iowa into southern Wisconsin. The Iowa, Cedar, Wapsipinicon and Maquoketa River basins received the heaviest rainfall. With soil moisture at or above the 95th percentile for that time of year, much of the rainfall became runoff and quickly ran into streams and creeks. The initial result was flash flooding especially across northeast Iowa. The event then transitioned to a river flood event, with major to near record crests experienced on the Cedar, Wapsipinicon and Maquoketa Rivers. The Mississippi River also experienced major flooding. All forecast points on the Mississippi River from Dubuque to Keokuk topped flood stage.

As of April 30th many forecast points continued seeing stages above flood stage. Affected rivers included the Mississippi, Cedar, Iowa, Wapsipinicon and the Maquoketa.

MISSOURI, Northeast

CLARK COUNTY --- 1.0 N GREGORY LNDG [40.29, -91.50], 1.0 E GREGORY LNDG [40.28, -91.48], 1.0 S GREGORY LNDG [40.27, -91.50], 1.0 W GREGORY LNDG [40.28, -91.52]				
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	04/30/08 23:59 CST		0	Source: Emergency Manager

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Wapsipinicon and the Maquoketa.				